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TUMANOVSKIY, M.N., prof., red.

[Electronics and chemistry in cardiology] Elektronika i  
khimiya v kardiologii. Voronezh, Izd-vo Voronezhskogo  
univ., 1964. 386 p. (MIRA 17:12)

1. Voronezhskoye oblastnoye obshchestvo kardiologov.

TUMANOVSKIY, M. N.

Tumanovskiy, M. N. - "The hypoglycemic syndrome in the clinical treatment of alimentary dystrophy", Trudy Medinstituta (Izhev. gos. med. in-t), Vol. VI, 1948, p. 60-65.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

TUMANOVSKIY, M. N.

Tumanovskiy, M. N. - "The oxidation-reduction potential of blood (Eh) in scurvy",  
Trudy Medinstituta (Izhev. gos. med. in-t), Vol. VI, 1948, p. 66-69.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

TUMANOVSKIY, M. N.

Tumanovskiy, M. N. - "A blood chart in alimentary-toxic in various stages of infection", Trudy Medinstituta (Izhev. gos. med. in-t), Vol. VI, 1948, p. 70-75.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

TUMANOVSKIY, M. N.

36841. K metodike pal'patsii pecheni. Trudy Med. in-ta (Izhev. gos. med. in-t),  
t, IX, 1949, c. 135-37

SO: Letopis' Zhurnal'ynkh Statey, Vol. 50, Moskva, 1949

TEMANOVSKIY, M.N.

36886. Boli v oblasti serdtsa i ~~20~~ grudinoi, ikh klinicheskoye  
znachenie. Trudy Med. in-ta (Izhev. gos. med. in-t), t. IX, 1949, s. 173-81

SO: Letopis' Zhurnal Nykh Staty, Vol. 50, Moskva, 1949



TUMANOVSKIY, M.N. †

36890. TUMANOVSKIY, M.N i CHAKINA, L. A. Izmeneniya elektrokardiogrammy pod vliyaniyem boli v oblasti sertsya razlichnogo proiskhozhdeniya. Trudy Med. in-ta (Izhev. gos. med. in-t), t. IX, 1949, c. 182-85

SO: Letopis' Ahurnal Nykh Staty, Vol. 50, Moskva, 1949

TUMANOVSKIY, M.N.

36888. Rentgenokimografiya kak <sup>auxiliary</sup> vspomogatel'no-diagnosticheskiy  
metod izucheniya zabolevaniy, <sup>glav.</sup> soprovozhdayushchikhaya bol'yu v oblasti serd-  
tsa i az grudinoy. Trudy Med. in-ta (Izhev. gos. med. in-t), t.IX, 1949  
c. 186-89 breast

S0: Letopis' Zhurnal Nykh State, Vol. 50, Moskva, 1949

TUMANOVSKIY, M. N.

36891. Tumanovskiy, M. N., Makarova, T. N. i Bukh, S. S. Otsillograficheskiye pokazateli arterial'nogo davleniya, ikh izmeneniya vo vremya boli v oblasti serdtsa. Trudy Med. in-ta (Izhev. gos. Med. in-t), t. IX, 1949, c. 196-201.

SO: Letopis' Ahurnal Nykh Staty, Vol. 50, Moskva, 1949

TUMANOVSKIY, M. N.

36889. TUMANOVSKIY, M.N. i LYSOV, V.P. Elektropotentsial kozhi i  
"gal'vanopal'patsiya" kak ob'yektivnyy metod issledovaniya pri zabolevaniyakh,  
soprovozhdayushchikhsya stenokardiyey. Trudy Med. in-ta (Izhev. gos. med  
int), t. IX, 1949, c. 218-27

SO: Letopis' Zhurnal Nykh Staty, Vol. 50, Moskva, 1949

7, VI  
TUMANOVSKIY, ~~VI~~.

36892. TUMANOVSKIY, M.N., SHEYNEMAN, L.S. i CHAKINA, L.A. Moptornaya i senzornaya khronaksiya u serdechno bol'nykh s bolyami v oblasti serdtsa. Trudy Med. in-ta (Izhev. gos. med. in-t). t. IX, 1949, c. 228-32

SO: Letopis' Ahurnal Nykh Staty, Vol. 50, Moskva, 1949

TUMANOVSKIY, MN.

36887. K voprosu o tak nazyvayemoy khronicheskoy sosudistoy  
nedostatochnosti (tsirkulyatornaya asteniya). Trudy Med. in-ta (Izhev. gos.  
med. in-t), t.IX, 1949, c. 245-47

SO: Letopis' Zhurnal Nykh Staty, Vol. 50, Moskva, 1949

TUMANOVSKIY, M. N.

Palpation of the liver. Sovet. med. no.8:34-35 Aug. 1950.  
(CJML 20:1)

1. Of the Hospital Therapeutic Clinic, Izhev Medical Institute.

TUMANOVSKIY, M.N.

[Pains in the region of the heart and behind the sternum] Bol i v  
oblasti serdtsa i za grudinoi. Moskva, Medgiz, 1953. 173 p. (MLBA 7:4)  
(Chest--Diseases)



TUMANOVSKIY, M.N., prof.; SHESTAKOV, N.M.; GAIMASH, V.Ya.

Significance of electrokymography in the diagnosis of mitral defects complicated by cardiac fibrillation. Kardiologiya 5 no.2:12-16 Mr-Apr '65. (MIRA 18:7)

1. Kafedra gospiatal'noy terapii (zav. - prof. M.N.Tumanovskiy) Voronezhskogo meditsinskogo instituta.

TUMANOVSKIY, M.N., prof.; GARMASH, V.Ya.

Ultrasonic cardiography. Sov. med. 28 no.5:29-33 My '65. (MIRA 18:5)

- Kafedra hospital'noy terapii (zav. - prof. M.N.Tumanovskiy)  
Voronezhskogo meditsinskogo instituta.

TUMANOVSKIY, M.N.; LAVROVA, T.F.; NOVIKOV, Yu.G.; GARMASH, V. Ya.

Electrokymographic investigation of the heart in dogs following  
excision of experimental myocardial infarction. Kardiologiya 2  
no.6:22-27 N-D\*62. (MIRA 17:8)

1. Iz kafedry fakul'tetskoy terapii ( zav. - prof. M.N. Tuma-  
novskiy) i kafedry topograficheskoy anatomii s operativnoy  
khirurgiyey ( zav. - prof. T.F. Iavrova) Voronezhskogo meditsin-  
skogo instituta.

TUMANOVSKIY, Mikhail Nikolayevich; SAFONOV, Yuriy Dmitriyevich;  
ERINA, Ye.V., red.

[Functional diagnosis of cardiac diseases] Funktsional'-  
naya diagnostika zabolevaniy serdtsa. Moskva, Meditsina,  
1964. 407 p. (MIRA 17:11)

TUMANOVSKIY, M.N.; GARMASH, V.Ya.

Electrokymographic and roentgenokymographic examination of  
patients with cardiac aneurysm. Kardilogiia 2 no.3:40-44  
My-Je '62. (MIRA 16:4)

1. Iz kliniki fakul'tetskoy terapii (zav. prof. M.N.Tumanovskiy)  
Voronezhskogo meditsinskogo instituta.  
(HEART--EXAMINATION) (ANEURYSMS) (KYMGRAPHY)

TUMANOVSKIY, M.N.; GARMASH, V.

Electrokymographic and roentgenokymographic investigation of patients with myocardial infarction. Cor vasa 5 no.2:90-106 '63.

1. Faculty Clinic of Internal Medicine, Voronezh Medical Institute, Voronezh, USSR.

(MYOCARDIAL INFARCT) (ELECTROKYMOGRAPHY) (KYMGRAPHY)  
(RADIOGRAPHY)

TUMANOVSKIY, M.N., prof.; GARMASH, V.Ya.; NOVIKOV, Yu.G.

Electrokymographic examination of the heart in dogs in normal conditions and in experimental myocardial infarct. Terap.arkh. 33 no.10:11-18 '61. (MIRA 15:1)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. M.N. Tumanovskiy) i kafedry operativnoy khirurgii s topograficheskoy anatomiei (zav. - prof. T.F. Lavrova) Voronezhskogo meditsinskogo instituta.  
(HEART—INFARCTION) (ELECTROKYMOGRAPHY)

TUMANOVSKIY, M.N., prof.; ZOLOTAREV, A.I.

Method for phono-oscillography in the clinical treatment of cardiovascular diseases (hypertension, arteriosclerosis). Kardiologiya 1 no.6:46-51 N-D '61. (MIRA 15:1)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. M.N.Tumanovskiy)  
Voronezhskogo gosudarstvennogo meditsinskogo instituta.  
(ARTERIOSCLEROSIS) (HYPERTENSION)  
(OSCILLOGRAPHY)



TUMANOVSKIY, M.N., prof.; SAFONOV, Yu.D. (Voronezh)

Method for registering and principles for the classification  
of ballistocardiograms. Klin.med. 38 no.8:99-106 Ag '60.  
(MIRA 13:11)

1. Iz kliniki fakul'tetskoy terapii (zav. - prof. M.N. Tumanovskiy)  
Voronezhskogo meditsinskogo instituta.  
(BALLISTOCARDIOGRAPHY)

TUMANOVSKIY, M.N.; SAFONOV, Yu.D.

Analysis of time correlations in direct ballistocardiographic  
rate determination. Klin.med. 38 no.6:60-66 Je '60.

(MIRA 13:12)

(BALLISTOCARDIOGRAPHY)

TUMANOVSKIY, Mikhail Nikolayevich

[Coronary insufficiency; angina pectoris and myocardial infarct]  
Koronarnaya nedostatochnost'; grudnaya zhaba i infarkt miokarda.  
Moskva, Medgiz, 1959. 278 p. (MIRA 13:2)  
(Coronary vessels--Diseases) (Heart--Diseases)

TUMINSKIY, N.A.

[Graphic calculation of rod systems and mechanisms]  
Graficheskii raschet sterzhnevyykh sistem i mekhaniz-  
mov. Moskva, Mashinostroenie, 1964. 299 p.  
(MIRA 17:7)

TUMANOVSKIY, R.

Fifty best books. NTO 4 no.11:42-43 N '62. (MIRA 16:1)

1. Predsedatel' soveta pervichnoy organizatsii Nauchno-tekhnicheskogo obshchestva Sel'khozizdata.

(Book covers)

TUMANOVSKIY, R.F.

First books on agriculture. Zemledelie 26 no.3:93-96  
mr '64. (MIRA 17:4)

PROKHOROV, Ye.I. (Moscow); TUMANOVSKIY, R.F. (Moscow).

Standardization of printing and publishing terminology. Poligr.proizv. no.7:  
10-13 JI-Ag '53. (MLRA 6:9)

(Printing industry--Terminology) (Publishers and publishing--Terminology)

TUMANOVSKIY, R.F.

The 75 years of Soviet periodicals on plant protection. Zashch.  
rast. ot vred. i bol. 7 no.9:60-61 S '62. (MIRA 16:8)

(Plants, Protection of--Periodicals)



TUMANOVSKIY, R.F.

Firstlings of Soviet literature on plant protection. Zashch. rast.  
ot vred. i bol. 8 no.2;61-62 F '63. (MIRA 16:7)  
(Plant diseases)

ABUGOV, A.G.; TUMANOVSKIY, Ye.I., kand.tekhn.nauk

Device for determining the duty of telegraph lines. Vest. svyazi  
23 no.7:14-15 J1 '63. (MIRA 17:2)

1. Starshiy inzh. Kiyevskogo otdeleniya TSentral'nogo nauchno-issledovatel'skogo instituta svyazi Ministerstva svyazi SSSR (for Abugov). 2. Nachal'nik laboratorii Kiyevskogo otdeleniya TSentral'nogo nauchno-issledovatel'skogo instituta svyazi Ministerstva svyazi SSSR (for Tumanovskiy).

1. TUMANOVSKIY, S.N.
2. USSR (600)
4. Hay
7. Obtaining consistently high yields of perennial grass hay on central zone state farms, Dost.sel'khoz. no. 5, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953. Unclassified.

6.4500

S/044/60/000/009/021/021  
C111/C222

AUTHORS: Pugach, A.B., Savitskiy, Yu.I., and Tumanovskiy, Ye.I.

TITLE: On the Question on Reading Instruments of Electronic Transmitters

PERIODICAL: Referativnyy zhurnal. Matematika, 1960, No.9, p.212,  
Abstract No.11059. Tr.Sektsii provodn.svyazi.Ukr.resp.pravl.  
Nauchno-tekhn. o-va radiotekhn. i elektrosvyazi, 1958, vyp.3,  
pp.63-66

TEXT: The author give a short survey of photoelectronic reading instruments of transmitters working with a tape with a five-digit code. ✓B  
They consider some peculiarities of the scheme of the reading instruments:  
1) Scheme with one constant surce of light if the photocells are commutated; 2) Scheme with several sources of light which are switched on alternately by the distributor; 3) Scheme in which the elements of the distributor themselves are the sources of light.

[Abstracter's note: The above text is a full translation of the original Soviet abstract.]

Card 1/1

BOBRANSKI, Boguslaw; GIELDANOWSKI, Jerzy; KEDZIERSKA, Lidia; TUMANOWICZ, Andrzej

On certain esters of 5-allyl-5-( $\beta$ -hydroxypropyl)-barbituric acid.  
Arch.immun.ter.dosw. 9 no.1:1-6 '61.

1. Zaklad Syntezy Srodkow Leczniczych, Zaklad Farmakologii Instytutu Immunologii i Terapii Doswiadczalnej we Wroclawiu, Zaklad Farmakologii Akademii Medycznej we Wroclawiu.  
(BARBITURATES chem)

TUMANOVSKIY, Ye. I.

TUMANOVSKIY, Ye. I. -- "Investigation of the Problem of the Stability of the Image on the Screen in the Projection of Motion-Picture Films." Min Higher Education USSR. Kiev Order of Lenin Polytechnic Inst. Chair of Cinema Techniques. Kiev, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No 1, 1956

TUSHINSKAYA, M.M.; TUMANSKAYA, F.D.

Nature of renal pathology in subacute bacterial endocarditis. Sovet. med.  
17 no.5:32-34 May 1953. (GLML 24:5)

L. Of the Faculty Therapeutic Clinic (Acting Head -- Prof. T. S.  
Istamanova), First Leningrad Medical Institute imeni Academician I. P.  
Pavlov.

TUMANSKAYA, Ol'ga Grigor'yevna; POPOV, Yu.N., doktor geol.-miner.  
nauk, otv. red.; TURLYGINA, Ye.S., red.izd-va;  
YEGOROVA, N.F., tekhn. red.; SIMKINA, G.S., tekhn. red.

[Permian ammonoids in the central Pamirs and their  
stratigraphic significance] Permskie ammonoi Tsentral'-  
nogo Pamira i ikh stratigraficheskoe znachenie. Moskva,  
Izd-vo AN SSSR, 1963. 118 p. (MIRA 17:1)  
(Pamirs---Ammonoidea)



TUMANSKAYA, O.G.

~~Permian reefs of Tethys. Biul.MOIP Otd.geol.30 no.6:91-92 N-D '55.~~

Permian reefs of Tethys. Biul.MOIP Otd.geol.30 no.6:91-92 N-D '55.  
(Reefs) (MIRA 9:4)

TUMANSKAYA, O. G.

23046 K stratigrafii verkhnepaleozoyskikh otlozheniy nakhichevanskoy ssr.  
Koklady nauk ssr, novaya seriya, T. LIVII, No. 6, 1949, C. 541-42.  
Bibliogr: 6 nazv.

SO: LETOPIS' NO. 31, 1949

TUMANSKAYA, O.G.

Some Lower Permian fusulinids of the Urals and other regions of  
the U.S.S.R. Dokl. AN SSSR 146 no.6:1396-1398 0 '62.

(MIRA 15:10)

1. Predstavleno akademikom D.I. Shcherbakovym.  
(Fusulinidae)

TUMANSKAYA, O. G.

49N/5  
622.4  
.T9

O Verkhnepermiskikh fuzulinidakh Yuzhno-Ussuriyskogo Kraya (About the Upper permian fusulinidae of south Ussuri Kray) Moskva, Gosgeolizdat, 1953.  
56 P. illus. (Trudy Vsesoyuznogo Nauchno-issledovatel'skogo Geologicheskogo Instituta)  
At head of title: Leningrad. Vsesoyuznyy Geologicheskiiy Institute.

TUMANSKAYA, O.G.

Representatives of the genus *Pseudoyabeina* nov.gen. from the  
Upper Permian deposits of the U.S.S.R. *Biul.MOIP. Otd.geol.*  
29 no.5:98 S-0 '54. (MLRA 8:1)  
(Foraminifera, Fossil)

TUMANSKAYA, O.G.; KRISHTOFOVICH, A.N., red.; ARSEN'YEV, A.A., red.  
~~izd-va~~; MANINA, M.P., tekhn. red.

[Upper Permian Fusulinidae in the southern Ussuri region] O  
verkhnepermiskikh Fusulinidakh [Uzhno-Ussuriiskogo kraia. Mo-  
skva, Gos. izd-vo geol. lit-ry, 1953. 56 p. (MIRA 15:2)  
(Ussuri Valley—Fusulinidae, Fossil)

TUMANSKIY, Aleksey Konstantinovich, letchik;RONZHIN, N.P., red.;  
ANIKINA, K.F., tekhn. red.

[Flight through the years] Polet skvoz' gody. Moskva, Voen.  
izd-vo M-va oborony SSSR, 1962. 229 p. (MIRA 15:3)  
(Russia—Revolution, 1917-1921—Personal narratives)  
(Airplanes—Flight testing)

TEWANSKIY, M.A.--

"The Gravity-Line Method in Problems of the Mechanics of  
Machines and Mechanisms." Dr Techn Sci, Inst of Machine Science,  
Acad Sci USSR, 27 Oct 54. (VM, 15 Oct 54)

Survey of Scientific and Technical Dissertations Deposited at  
USSR Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55



TUMANSKIY, N.G.

Improve the manufacture and use of formwork and equipment. Prom.  
stro1. 40 [1.e. 41], no.5:45-46 My '63. (MIRA 16:5)

1. Gosudarstvennyy institut po proyektirovaniyu i issledovatel'skim  
rabotam nefte dobyvayushchey promyshlennosti vostochnykh rayonov strany.  
(Precast concrete)

TUMANSKIY, S., general'nyy konstruktor

Turbojet engine for high speeds. Av. i kosm. no.2:60-64 7 '66.  
(MIRA 19:1)

1. Chlen-korrespondent AN SSSR.

NIKITIN, Yu.M.; TUMANSKIY, S.K., doktor tekhn.nauk, retsenzent; *Review?*  
SOYFER, A.M., kand.tekhn.nauk, dotsent, retsenzent;  
ZHUKOV, K.A., inzh., retsenzent; SKUBACHEVSKIY, G.S.,  
prof., doktor tekhn.nauk, red.; YANOVSKIY, I.L., inzh.,  
red.; KHRUSTALEVA, A.A., red.izd-va; ORESHKINA, V.I.,  
tekhn.red.

[Designing elements of parts and units of aircraft engines]  
Konstruirovaniye elementov detalei i uzlov aviatsionnykh  
dvigatelei. Pod red. G.S.Skubachevskogo. Moskva, Gos.  
nauchno-tekhn.izd-vo Oborongiz, 1961. 287 p.

(Airplanes--Engines)

(MIRA 14:12)

TUMANSKIY, Sergey Konstantinovich

Engine of modern airplanes. Av.1 kosm. 45 no.3:6-13 Mr '63.  
(MIRA 16:3)

(Airplanes---Jet propulsion)

SKUBACHEVSKIY, Gleb Semenovich; TUMANSKIY, S.K., doktor tekhn. nauk, retsenzent; ZHIRITSKIY, G.S., doktor tekhn. nauk prof., retsenzent; STRUNKIN, V.A., kand. tekhn. nauk dots., retsenzent; SHTODA, A.V., prof., nauchn. red.; POPOV, A.V., red.

[Aircraft gas turbine engines; design and construction of parts] Aviatsionnye gazoturbinnye dvigateli; konstruktsiia i raschet detalei. Izd.2., perer. i dop. Moskva, Mashinostroenie, 1965. 451 p. (MIRA 19:1)

1. Chlen-korrespondent AN SSSR (for Tumanskiy).

ACCESSION NR: AP4041952

S/0286/64/000/012/0148/0148

AUTHOR: Tumanskiy, S. K.; Sorokin, V. N.; Kuptsov, I. M.; Yurov, A. D.

TITLE: Jet nozzle. Class 46, No. 74829

SOURCE: Byul. izobr. i tovar. znakov, no. 12, 1964, 148

TOPIC TAGS: jet nozzle, variable area jet nozzle

ABSTRACT: This Author Certificate introduces a jet nozzle whose exhaust cross section varies by means of an axially moving cone. The mechanism of the cone displacement consists of two blocks, one attached to the body of the nozzle, the other to the cone, and a connecting cable wound on a drum fixed to the exterior surface of the nozzle. The cone is moved forward by gas pressure.

ASSOCIATION: none

SUBMITTED: 20Apr48

SUB CODE: PR.

ATD PRESS: 3059

NO REF SOV: 000

ENCL: 00

OTHER: 000

Card 1/1

L 35929-66 EWI(m)/EWP(f)/T-2 JKT

ACC NR: AP6007299

SOURCE CODE: UR/0209/66/000/002/0060/0064

AUTHOR: Tumanskiy, S. (General constructor, Corresponding member AN SSSR)

ORG: none

TITLE: Turbojet engine for high velocities

SOURCE: Aviatsiya i kosmonavtika, no. 2, 1966, 60-64

TOPIC TAGS: turbine blade, turbojet engine, gas turbine engine

ABSTRACT: The problem of increasing the efficiency of gas turbines by means of increasing the temperature of the gas entering the turbine are discussed. An increase of 100°C boosts the specific thrust of a modern turbojet engine during takeoff by 10% and during flight at an altitude of 11 km and speed of 2200 km/hr by 25-30%. An increase in specific thrust makes it possible to reduce the size and weight of the engine. A 200°C increase in gas temperature ahead of the turbine in the turbojet engine of a Mach 2.5 plane weighing 20 to 25 tons increases the range by 15% or more than 500 km. In bypass engines, such a method provides an efficient means for boosting the specific thrust and improving the economy. The solution of this problem currently hinges on increasing the heat resistance of high alloys used for gas turbine blades and on the cooling of the blades. While progress in the development of heat resistant alloys (e. g., niobium alloys) is considerable, such alloys no longer meet the requirements. The cooled blade

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ACC NR: AP6007299

exhibits a 30-35% gain in strength in the 1100°C-1200°C range over the uncooled blade. The author describes several types of turbine blades currently in use and points out their respective merits and disadvantages. A substantial increase in gas temperature would appear to derive from using blades made of porous material and forcing the cooling air from inside through the pores to the external surface of the blade where it would form a heat resistant layer. Orig. art. has: 7 figures.

SUB CODE: 21/

SUBM DATE: done

Card 2/2 *ell*



The dispersion of indanthrene dyes in a field of ultrasound waves. V. M. Zeryulinskiy and S. S. Tumanovskii, *J. Phys. Chem.* (U. S. S. R.) 11, 801-4 (1938).—The indanthrene yellow G and light blue GCDN were studied in a field of ultrasound waves under the following conditions: radius curvature of the quartz vibrator lens 4 cm, its surface 7 sq. cm., wave length  $\lambda$  22.6 m., quartz intensity 3.4 kw., concn. 0.35%. For different sounding conditions a rapid dispersion of the particles was noted. The dispersion and the stability of the suspensions depend on the intensity of the field, on the concn. of the suspension, on the stabilizer and on the time of sounding. Saponin (0.025% of the wt. of indanthrene) and sulfide silk (0.5%) were used as stabilizers. The sounding effects were observed through a microscope. The curves obtained for  $\mu = f(t)$  ( $\mu$  = size of the particles) show that during the 1st 5-10 min. a rapid breaking up of the particles takes place. Later their size remains practically unchanged. After the sounding the microaggregates either remain unchanged or they coagulate depending on the stabilizer and on the conditions of the expt. With

napionin after 30 min. the process of coagulation increases to a point where the size of the microaggregates remains unchanged. However, with sulfite silk as stabilizer the size of the particles is reduced from 30 to  $2 \mu$  after 5 min. of winding, and they are further reduced to  $2 \mu$  with time. The suspension is very stable, and the coagulation does not take place for several hrs. after the exp't. A linear relation of the max. size to the concn. was obtained.

No effect of the frequency of the ultrasound field on the dispersion of the dye in the 310-325 m. region was observed. Four diagrams and 1 table are given.

W. H. Henn

AS 55.1 METALLURGICAL LITERATURE CLASSIFICATION

BC

Preparation of paraffin emulsions by magnetorotational methods. S. S. Tumanaki (*Kolloid. Zhurn.*, 1959, 2, 105-110).—A Ni-tube vibrator was used at a frequency of 4000-20,000 cycles. Pure paraffin oil gave 6% emulsions in  $H_2O$  which broke within a few days. Stable emulsions of 10 g. of oil in 100 g. of  $H_2O$  were prepared in presence of 5 g. of  $\alpha$ -diethylamino- $\beta$ -oleumdoethane ("separaine MS") or of 3 g. of gelatin. The rate of prep. decreases when the intensity of the separaine field increases; the frequency has no effect. J. I. B.

A-1

COMMON ELEMENTS										PROCESS AND PROPERTIES INDEX										COMMON VARIABLES INDEX									
1ST AND 2ND GROUPS										1ST AND 2ND GROUPS										1ST AND 2ND GROUPS									
CA																				2									
<p>Dispersion of indanthrene pigments in the supersonic field. S. S. Tyumanski and Ch. Maksimova. <i>Colloid J.</i> (U. S. S. R.) 3, 617-24 (1939); cf. C. A. 33, 6116<sup>a</sup>.—Sedimentation curves of pigments dispersed in H<sub>2</sub>O by the app. described (cf. C. A. 33, 8470<sup>a</sup>) are given. In supersonic field a higher dispersity is achieved than in a colloid mill. There is no difference between tech. and pure specimens of indanthrene yellow ph and yellow g. The dispersity of chloroindanthrene is increased by sulfonated fatty acids.</p> <p>J. J. Bikerman</p>																													
<p>ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																													
1ST AND 2ND GROUPS										1ST AND 2ND GROUPS										1ST AND 2ND GROUPS									

1ST AND 2ND ORDER										3RD AND 4TH ORDER									
PROCESS AND PROPERTIES INDEX																			
CA																			
<p>Change of electrical conductivity of water in supersonic field. S. S. Tumanakli and M. S. Skul'man. <i>Colloid J. (U.S.S.R.)</i> 8, 961-4(1939).—The cond., measured in the absence of supersonic field, increased after the water was kept for 1-30 min. in a field of 800,000 cycles/sec. The increase was due to soln. of CO<sub>2</sub> from the air.</p> <p style="text-align: right;">I. J. Bickerman</p>																			
<p>ASM-A METALLURGICAL LITERATURE CLASSIFICATION</p> <p>1ST ORDER 2ND ORDER 3RD ORDER 4TH ORDER</p>																			

2

The effect of gases on the dispersion of dyes in the ultrasonic field. S. S. Tsvetkovskii. *Colloid J.* (U. S. S. R.) 6, 603-6 (1940); *Ch. C. A.* 34, 929.—The treatment of dyes in the field of ultrasonic waves in the presence of air at a pressure above 100 mm. of Hg promoted and stabilized the formation of highly dispersed suspensions (dyes-water).  
A. A. Podgorny

1ST AND 2ND ORDERS										PROCESSING AND PROPERTIES INDEX										3RD AND 4TH ORDERS									
<p><i>Handwritten:</i> B-I-C</p> <p><i>Reference of ultrasonic field on dyeing of cotton fabrics. A. I. Sokolov and S. S. Tumenok (J. Appl. Chem. Russ., 1941, 14, 843-848).—The dyeing of cotton by various dyes was improved by being carried out in presence of ultrasonic waves. The penetration of the dye into the tissue was improved and the rate of absorption increased in presence of such waves. N. G.</i></p>																													
<p>ASS-5LA METALLURGICAL LITERATURE CLASSIFICATION</p>																													
1ST AND 2ND ORDERS										3RD AND 4TH ORDERS										5TH AND 6TH ORDERS									

CA

2

The measurement of the internal friction of air in porous materials by uniform flow and by the use of sound waves. S. N. Rubevkin and S. S. Tumanskii (State Univ., Moscow). *Zhur. Tekh. Fiz.* 19: 661-68 (1947); *Chem. Zentr.* (Russian Zone Ed.) 1948, II, 1100.—By use of a simple exptl. arrangement, determ. were made of the dissipated pressure of air drawn through a porous material held between perforated plates. The resistance of the porous material was calcd. by means of the equation  $r = \rho S l / V$ , in which  $\rho$  = pressure in dynes/sq. cm.,  $S$  = the surface in sq. cm.,  $l$  = the period of observation, and  $V$  is the vol. (cc.) of air drawn through. Curves showing the relation between  $r$  and  $v$  ( $v$  = the rate of flow or  $V/(l.S)$ ) were constructed. Measurements were made on cotton, glass wool, spun silk, dust, and Mikal (a fine cotton fabric) for the range 0.3–300 cm./sec. The values for  $r$  in mech. ohms per sq. cm. were 1.5–500 for glass wool and dust. The smaller values remained const. up to about 80 cm./sec. They were const. for glass wool only up to about 0.6 cm./sec. The values obtained agreed well with those of Givian (cf. C.A. 42, 456g) obtained by using sound waves of 100 kc./sec. At higher values of  $v$  the values of  $r$  increased, presumably because of turbulence in the pores. The exptl. values agreed also with the results of approx. calcns. in which a laminar flow was assumed.

M. G. Moore

TUMANSKIY, V.K., dotsent

Effectiveness of penicillin treatment in acute inflammatory processes  
of the retroperitoneal cellular tissue. Sov.med. 21 no.5:71-77 Ky '57.  
(MLRA 10:7)

1. Iz kafedry obshchey khirurgii lechebnogo fakul'teta (zav. - prof.  
V.I.Stuchkov) i Moskovskogo ordena Lenina meditsinskogo instituta  
imeni I.M.Sechenova (dir. - prof. V.V.Kovachov)

(PERITONEUM, dis.

inflamm. of retroperitoneal cellular tissue,  
penicillin ther.)

(PENICILLIN, ther. use

inflamm. of retroperitoneal cellular tissue)



TUMANSKIY, V.K., dots.

Retroperitoneal phlegmons as a result of acute appendicitis [with summary in English]. Khirurgiya 33 no.9:86-90 S '57. (MIRA 11:4)

1. Iz kafedry obshchey khirurgii lechebnogo fakul'teta (zav. - prof. V.I.Struchkov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

(APPENDICITIS, compl.

phlegmon, retroperitoneal)

(PHLEGMON, etiol. and pathogen.

appendicitis, causing retroperitoneal phlegmon)

(RETROPERITONEAL SPACE, dis.

phlegmon in appendicitis)

HEIMSKIY, V.F., Doc Med Sci--(diss) "Acute pural at ~~the~~ <sup>study</sup> the ~~proper~~ retro-peritoneal layer of the retro-peritoneal cellul<sup>ar</sup> ~~ose~~ <sup>issue</sup> (textus cellulosa retroperitonealis)." Mos, 1953. 21 pp (First Mos Order of Lenin Med Inst in I.I. Sechenov), 200 copies (11,20-50, 113)

TUMANSKIY, V.K., dots.

Subperitoneal acute suppurative processes of the lumbar region.  
Sov.med. 22 no.1:99-105 Ja '58. (MIRA 11:4)

1. Iz kafedry obshchey khirurgii (zav. - prof. V.I.Struchkov)  
lechebnogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo  
instituta imeni I.M.Sachenova.

(ABDOMEN, abscess  
subperitoneal, of lumbar region (Rus))

TUMANSKIY, V.K., doktor med.nauk

"Practical surgical technic and instrument usage" by H.Seyfarth,  
E.Jaeger. Reviewed by V.K.Tumanskii. Sov.med. 25 no.3:156-157  
Mr '61. (MIRA 14:3)  
(OPERATIONS, SURGICAL) (SEYFARTH, H.)  
(JAEGER, E.)

STRUCHKOV, Viktor Ivanovich, prof.; BAZHENOVA, A.P., doktor med. nauk;  
TUMANSKIY, V.K., doktor med. nauk; GRIGORYAN, A.V., kand.med.  
nauk; KACHKOV, A.P., kand.med.nauk; MARSHAK, A.M., kand.med.nauk;  
MURAV'YEV, M.V., kand.med.nauk; SIDORINA, F.I., kand.med.nauk;  
FEDOROV, B.P., kand.med.nauk; VINOGRADOV, V.V., red.; PETROVA,  
tekhn. red.

[Surgery for suppuration] Gnoinaia khirurgiia; rukovodstvo dlia  
vrachei. Moskva, Medgiz, 1962. 357 p. (MIRA 15:11)  
(SUPPURRATION) (SURGERY, OPERATIVE)

TUMANSKIY, V.K., doktor med.nauk; LUTSEVICH, E.V.

Analysis of the causes of non-ulcerative gastrointestinal hemorrhages with fatal outcome. Sov.med. 25 no.5:45-49 My '62. (MIPA 15:8)

1. Iz kliniki obshchey khirurgii (zav. - chlen-korrespondent AMN SSSR prof. V.I.Struchkov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.

(GASTROINTESTINAL HEMORRHAGE)

TUMANSKIY, V.K., doktor med.nauk; RUBIN, M.P.

Intestinal infarction of venous origin; a survey of the literature.  
Sov.med. 26 no.7:67-71 J1 '62. (MIRA 15:11)

1. Iz kafedry obshchey khirurgii lechebnogo fakul'teta (zav. -  
chlen-korrespondent AMN SSSR prof. V.I.Struchkov) i Moskovskogo  
meditsinskogo instituta imeni I.M.Sechenova i Gorodskoy kliniche-  
skoy bol'nitsy No.23 imeni Medsantrud (glavnyy vrach A.N.Lobanov).  
(INTESTINES--INFARCTION) (MESENTERIC VEIN--DISEASES) (EMBOLISM)

TUMANSKIY, V.K., doktor med. nauk; LUTSEVICH, E.V.

Unusual causes of gastrointestinal hemorrhages. Sovet. m.d.  
27 no.9:105-109 S'63 (MIRA 17:2)

1. Iz kafedry obshchey khirurgii ( zav. - chlen korrespondent  
AMN SSSR prof. V.I.Struchkov) I Moskovskogo ordena Lenina me-  
ditsinskogo instituta imeni I.M.Sechenova na baze bol'nitsy  
imeni Medsantrud (glavnyy vrach A.N.Lobanova).



TURANSKIY, V.K., doktor med. nauk; FEDOROVA, G.F., kand. med. nauk;  
STEPANOVA, N.P.

Visceral neurofibromatosis. Sov. med. 27 no.11:125-130  
N '63 (MIRA 12:1)

1. Iz kafedry obshchey khirurgii (zav. - chlen-korrespondent  
AMN SSSR prof. V.I. Struchkov) Moskovskogo ordena Lenina  
meditsinskogo instituta imeni I.M. Sechenova na baze klini-  
cheskoy bol'nitsy No.23 imeni "Medsantrud" (glavnyy vrach  
A.M. Lobanova).

TUMANSIY, Viktor Mikhaylovich

[Microbiology of the plague; microbiological principles in the  
diagnosis of the plague] Mikrobiologiya chumy; mikrobiologicheskie  
osnovy diagnostiki chumy. Izd.2., ispr. i dop. Moskva, Medgiz,  
1958. 267 p. (MIRA 12:4)

(PLAGUE)

TUMANSKIY V.I.

USSR/Microbiology. Hemoglobinophilic Bacteria.  
Pasteurellae

F-5

Iss Jour : Ref Zhur - Biol., No 14, 1958, No 62400

Author : Tumanskiy V.I.

Inst : -

Title : On the Classification of the Varieties of  
Plague Microbe.

Orig Pub : Zh. mikrobiol., epidemiol. i immunologii,  
1957, No 6, 3-7

Abstract : The author, as a result of physiologic characteristics of rodents appearing to be particular carriers of the plague microbe, distinguishes its three varieties: "rat" (*Bacterium pestis* var. *ratti*), fermenting glycerin and forming nitrites from nitrates; "marmot" (*Bact. pestis* var. *marmotae*), fermenting glycerin and forming nitrites; "wort" (*Bact. pestis* var. *citelli*), fermenting glycerin and not forming nitrites. -- G.N. Chis-

Card : 1/1

tovich

11C

CA

THE RELATION OF *B. pestis* AND *B. pseudotuberculosis* RODENTUM PI. TO RHAMNOSE, AND THE EVALUATION OF THE MEDIUM WITH RHAMNOSE FOR THE DIFFERENTIAL DIAGNOSIS OF THESE MICROBES. V. M. TUMANAKH. *Vestnik Mikrobiol. Epidemiol. Parazit.* 18, No. 1-2, 82-8 (in French, 80-80) (1930).—*B. pestis* strains can be divided into rhamnose-neg. and rhamnose-pos. strains. The rhamnose-pos. variants of *B. pestis* are found more frequently among old strains which are preserved on artificial nutritive media during a prolonged time. Some rhamnose-neg. strains of *B. pestis* can change into rhamnose-pos. strains when preserved on some nutritive media. Thus, rhamnose is a good index of the changeability of *B. pestis*. The variability of the plague bacilli toward rhamnose does not depend on the origin of the strain. Peptone water with rhamnose for the differential diagnosis of the plague and pseudotuberculosis bacilli can be used if the culture under investigation does not change the medium during the 1st day of its growth. Twelve references. W. R. H.

ASB.5LA METALLOGICAL LITERATURE CLASSIFICATION

FROM STAINSLAV

COLLECTOR

FROM ROMANOV

POKORNY, V.M.

Classification of *Vibrio comma* varieties. Zhur.mikrobiol.epid. i  
immun. 28 no.6:3-7 Je '57. (MIRA 10:10)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta mikro-  
biologii i epidemiologii Yugo-Vostoka SSSR.  
(VIBRIO COMMA,  
classif. (Rus))

TUMANSKIY, Viktor Mikhaylovich.; GERASIMENKO, N.I., red.; LYUDKOVSKAYA, N.I.,  
tekhn. red.

[Pseudotuberculosis] Psevdotuberkulez. Izd. 2., ispr. 1 dop.  
Moskva, Gos. izd-vo med. lit-ry, 1958. 80 p. (MIRA 11:11)  
(Pseudotuberculosis)

USSR / Diseases of Farm Animals. Diseases Caused  
by Helminths.

R-2

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7334.

Author : Tumanyan

Inst : Not Given

Title : The Latest Methods of Fighting Helminthic Diseases  
of Small Horned Stock.

Orig Pub: Ayastani kolntesakan, 1956, No 9, 47-49 (Arm.).

Abstract: Among helminthic diseases the most serious to the  
sheep breeding of Armenia is caused by: "Dictyocaulus,"  
"Eascioliasis," "Monieziosis," "Echinococcus and Coenurosis."  
Information is given on the biology of the causal agents of these  
helminths and on the new preparations ("Ditrizin", Freon-112,  
Arsenite of Lead, Amino-atebrin.) suggested for use against them.

Card 1/1

SHATVORYAN, B. (CHIEF ENGINEER) MATEVOSYAN, L. (ENG. TECHNOLOGIST)

TUMANYAN, A. (ENG. TECHNOLOGIST)

Wrote about Yerevanskiy Politekhicheskii Istitut im. K. Marksa; mechanization of stone processing, Yerevan, Armyanskaya SSR.

Soviet Source: N: Kommunist, 11 Jan '51 Yerevan, Abstracted in USAF "Treasure Island", on file in Library of Congress, Air Information Division, Report No. 90695



TUMANYAN, A. A.

Ospa sel'skokhoziaistvennykh zhiivotnykh (Pox of agricultural animals). Erevan'. Izd-vo Glav. upr. s.-kh. nauki MSKH Arm. SSR, 1959, 55 pages with illustrations (Main Agricultural Administration of the Ministry of Agriculture of Arm. SSR). Price 60 k. 1,000 copies. In the Armenian language.

MNATSAKANOV, T. S., prof., zasluzhennyy deyatel' nauki; MAMIKONYAN, R. S.,  
kand. med. nauk; TUMANYAN, A. M. (Yerevan)

Use of a new Soviet preparation fubromegan in the treatment of  
peptic ulcer. Klin. med. no.11:93-96 '61. (MIRA 14:12)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. T. S. Mnatsakanov)  
Yerevanskogo meditsinskogo instituta.

(PEPTIC ULCER) (AUTONOMIC DRUGS)

TUMANYAN, A.T.

Vulvovaginitis in girls. Fel'd i akush. 28 no.11:24-30 N'63  
(MIRA 16:12)

1. Iz Nauchno-issledovatel'skogo instituta akusherstva i  
ginekologii Ministerstva zdravookhraneniya SSSR.

TUMANYAN, A.T.

Organization of the prevention and treatment of some gynecological diseases in children. Med. sestra 22 no.3:26-28 Mr'63.  
(MIRA 16:6)

(CHILDREN DISEASES) (GYNECOLOGY)

TUMANYAN, B.

Results of photographic observations of the Ekho-1, 1960, artificial satellite at the Erivan Station for the Observation of Artificial Earth Satellites. Biul.sta.opt.nabl. isk.sput.Zem. no.26:15-17 '62. (MIRA 15:7)

1. Nachal'nik Yerevanskoy stantsii nablyudeniya iskusstvennykh sputnikov Zemli.

(Artificial satellites--Tracking)

**TUMANYAN, B.Ye.**

Potential gravitational energies of certain open star clusters  
[in Armenian with summary in Russian]. Dokl. AN Arm. SSR 9  
no.1:7-9 '48. (MLRA 9:10)  
(Stars--Clusters)

TUMANYAN, B. YE

Tumanyan, B. Ye. "The determination of the potential energies of a number of stellar agglomerations," Doklady (Akad. nauk Arm. SSR), Vol. X, No. 1, 1949, p. 19-23, (Resume in Armenian), - bibliog: P.23.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 18, 1949).

TUMANYAN, B.Ye.; KALIKHEVICH, F.F.; IVAKINA, T.Ya.; BRATIYCHUK, M.V.;  
BELENKO, V.I.; KRYLOV, A.G.; SENTSOVA, Yu.Ye.; SHILKINA, Z.S.;  
YUREVICH, V.A.; ZAKHAROV, V.N.

Results of photographic observations of artificial earth satel-  
lites. Biul.sta.opt.nabl.isk.sput.Zem. no.29:37-44 '62.  
(MIRA 16:2)

1. Nachal'nik Yerevanskoy stantsii nablyudeniya iskusstvennykh  
sputnikov Zemli (for Tumanyan). 2. Nikolayevskaya stantsiya  
nablyudeniya iskusstvennykh sputnikov Zemli (for Kalikhevich,  
Ivakina). 3. Nachal'nik Uzhgorodskoy stantsii nablyudeniya  
iskusstvennykh sputnikov Zemli (for Bratiychuk). 4. Zvenigorod-  
skaya stantsiya Astronomicheskogo soveta AN SSSR (for Belenko,  
Krylov, Sentsova, Shilkina, Yurevich). 5. Nachal'nik Irkutskoy  
stantsii nablyudeniya iskusstvennykh sputnikov Zemli (for Zakharov).  
(Artificial satellites—Tracking)



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TUMANYAN, B.Ye.

Determining maximum distances at which it is possible to detect open  
star clusters [in Armenian with summary in Russian]. Nauch.trudy Krev.  
un.48 no.2:93-113 '55. (MLRA 9:9)  
(Stars--Clusters)

*TUMANYAN, B. Ye.*

ABRAMYAN, H.A.; TUMANYAN, B. Ye.

Ananii Shirakatsi's astronomical works. Ist.-astron. issl. no. 2: 239-  
246-156. (MIRA 10:6)

(Shirakatsi, Ananii, fl. 650-680)

PAPAZYAN, N. (Yerevan); TUMANYAN, B. (Yerevan)

Improving the operation of signal equipment used in observing  
artificial earth satellites. Astron. tsir. no.190:15-16  
Mr '58. (MIRA 11:9)  
(Artificial satellites) (Electronic measurements)



TUMANYAN, B.Ye,

Armenian astrolabe of the end of the 17th century. Ist.-astron.issl.  
no.5:231-248 '59. (MIRA 12:12)  
(Armenia--Astrolabes)

TUMANYAN, B.Ye.

Armenian lunar tables. Iz ist. est. i tekhn. 1:74--82 '60.  
(MIRA 16:12)

TUMANYAN, B.Ye.

Lunar indicator. Ist.-astron. issl. no. 6:256-262 '60.

(MIRA 14:2)

(Astronomical instruments)

BRATIYCHUK, M.V.; BELENKO, V.I.; KRYLOV, A.G.; SENTSOVA, Yu.Ye.;  
YUREVICH, V.; TUMANYAN, B.Ye.; KHARIN, B.T.; CHERVYAKOVA, A.F.;  
BERUCHKA, Yu.I.; PLUZHNIKOV, V.Kh.; SHILKINA, Z.A.

Results of photographic observations of artificial satellites.  
Biul.sta.opt.nabl.isk.sput.Zem. no.28:16-30 '62.

(MIRA 15:12)

1. Nachal'nik Uzhgorodskoy stantsii nablyudeniya iskusstvennykh sputnikov Zemli (for Bratiychuk). Stantsiya Astronomicheskogo soveta AN SSSR (for Belenko, Krylov, Sentsova, Yurevich, Shilkina).
  3. Nachal'nik Yerevanskoy stantsii nablyudeniya iskusstvennykh sputnikov Zemli (for Tumanyan).
  4. Nachal'nik Stantsii nablyudeniya iskusstvennykh sputnikov Zemli pri Tomskom gosudarstvennom universitet (for Kharin).
  5. Nachal'nik stantsii No.074, Instituta astrofiziki AN Turkmenskoy SSR (for Chervyakova).
  6. Nachal'nik stantsii nablyudeniya iskusstvennykh sputnikov Zemli Astronomicheskoy observatorii Khar'kovskogo universiteta (for Pluzhnikov).
- (Artificial satellites—Tracking)